



# Data Modernization Initiative (DMI) Updates and Discussion

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# Data Modernization Initiative Overview

- CDC is at the heart of a national effort to create modern, integrated, and real-time public health data and surveillance that can protect us from any health threat.
- The goal is to move from siloed and brittle public health data systems to connected, resilient, adaptable, and sustainable 'response-ready' systems that can help us solve problems before they happen and reduce the harm caused by the problems that do happen.

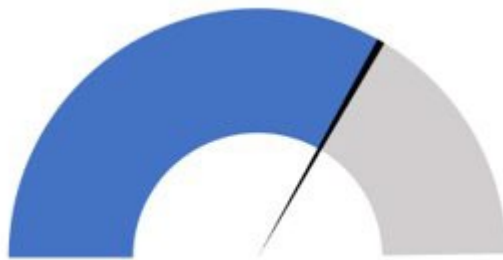
# The Promise of DMI

- A successful DMI will strengthen CDC overall and during the next emergency.
- The result will be:
  - A foundation for data sharing across all levels of public health for coordinated, scalable and timely case investigation, management, and reporting.
  - Shared analysis, forecasting, and response capabilities for rapid identification of trends within and across jurisdictions.

# Public Health Data Strategy (PHDS)

- **Goal #1:** Strengthen the core of public health data
- **Goal #2:** Accelerate access to analytic and automated solutions to support public health investigations and advance health equity
- **Goal #3:** Visualize and share insights to inform public health action
- **Goal #4:** Advance more open and interoperable public health data

## Progress To-Date



**10** milestones complete  
**5** milestones in progress

# PHDS Milestones, Goals 1 & 2

Goal #1: Strengthen the core of public health data	Status
STLTs enabled to submit a generic core case data feed that can be used for national disease notification	Enabled
32 jurisdictions are ingesting eCR data into disease surveillance systems	32/32
90% of ELC recipients are connected to one or multiple intermediaries (e.g., AIMS, ReportStream, HIEs) for lab data	95%/90%
90% of State Public Health Labs have implemented ETOR with at least 1 healthcare partner for at least 1 lab program	83/90%
75% of CDC infectious disease labs send lab test results to external partners electronically (e.g., using ELR, CSTOR, intermediary)	90%/75%
* Reduced time to send mortality data to and receive coded cause of death data from CDC for 12-15 jurisdictions through use of FHIR messaging	4 jurisdictions onboarded
CDC receives and ensures access to commercial lab data from at least 2 major national commercial labs to enable situational awareness across multiple conditions	2/2 Labs
Goal #2: Accelerate access to analytic and automated solutions to support public health investigations and advance health equity	Status
Critical access hospitals in production with eCR increased to 25%, up from 20% in 2022	26%/25%
Reusable technologies to link multiple data streams (e.g., case, lab) made available to all jurisdictions and deployed by at least 1 STLT	1/1 STLT

# PHDS Milestones, Goals 3 & 4

Goal #3: Visualize and share insights to inform public health action	Status
Minimum viable product for centralized data dissemination platform developed in partnership with CDC's Office of Readiness and Response to share timely and actionable data publicly	RV Data Channel released
Data and visualizations available within 2-3 days (from 5 - 90+ days) for CDC programs and STLTs since time of receiving case data at CDC for at least 1 nationally notifiable condition (i.e., viral hepatitis)	Data available for Viral Hep
Goal #4: Advance more open and interoperable public health data	Status
CDC selects a QHIN and has identified at least 2 public health use cases for TEFCAs, establishing a pathway for data exchange with healthcare systems and providers	QHIN not selected; 2/2 use cases
Standard language and terms for data protection and use agreed upon with public health partners for Core Data Sources, consistent with ACD DSW recommendations	Not yet agreed upon
New data access agreement established to enable easier sharing of emergency department data from NSSP across STLTs and CDC programs	Agreement established Rollout 0%
Minimal data elements necessary for public health response defined for at least case and lab data, in collaboration with STLT partners and CDC programs	Case under review; Lab ready for review

# Today's Featured DMI Projects

- **NCHS Virtual Data Enclave**

J. Neil Russell, Ph.D., NCHS RDC Director

- **Model-Based Early Estimates**

Lauren Rossen, Ph.D., Senior Scientific Advisor, Division of Research Methodology (DRM)

- **Clean Slate**

Dagny Olivares, M.P.A., Associate Director for Communication, NCHS

# Thank you!

For more information, contact CDC  
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TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

